



## OPEN EXAMINATION BULLETIN SANITARY ENGINEER CONTINUOUS TESTING

California State Government supports equal opportunity to all regardless of race, color, creed, national origin, ancestry, gender, marital status, disability, religious or political affiliation, age, or sexual orientation. It is the objective of the State of California to achieve a drug-free work place. Any applicant for state employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the state, the rules governing civil service, and the special trust placed in public servants.

**WHO SHOULD APPLY:** Persons who meet the minimum qualifications (entrance requirements) as stated. This is an open examination. Applications will NOT be accepted on a promotional basis.

**HOW TO APPLY:** Applications are available and may be filed in person or by mail with:

DEPARTMENT OF HEALTH SERVICES  
DIVISION OF DRINKING WATER AND  
ENVIRONMENTAL MANAGEMENT  
601 N. 7TH STREET MS – 216  
P O BOX 942732  
SACRAMENTO, CA 94234-7320  
ATTENTION: LORENE ZIMBELMAN

(916) 323-3022  
TDD (916) 657-3042

**DO NOT SUBMIT APPLICATIONS TO THE STATE PERSONNEL BOARD**

**SPECIAL TESTING INFORMATION:** If you have a disability and need special arrangements, mark the appropriate box on the application Form STD. 678. You will be contacted to make specific arrangements.

**FINAL FILING DATE:** There is no final filing date. Filing is considered continuous as dates can be set at any time. The testing office will accept applications continuously and will notify and test applicants as needs warrant.

**SALARY RANGES:**

**Range A:** \$3273 - \$3788 per month.

**Range B:** \$3747 - \$4550 per month.

**These criteria will be used to allocate incumbents to Alternate Range A or Range B:**

**RANGE A:** This range shall apply to incumbents who do not meet the criteria for payment in Range B.

**Range B:** This range shall apply to incumbents who have satisfactorily completed: (1) the equivalent to twelve months of Sanitary Engineer, Range A experience; or (2) who have one year of professional experience in sanitary engineering, water quality engineering, environmental engineering or a closely related field; or (3) who possess a Master's Degree in Engineering with a specialization in environmental engineering, water resources, sanitary or related engineering option. (Candidates who are pursuing graduate work toward a master's degree must receive the degree before they will be considered eligible for appointment to this range.)

**IDENTIFICATION REQUIREMENT:** Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.

**POSITION DESCRIPTION:** This is the entry and first journey level engineer in the series. Employees assigned to Range A perform the less difficult sanitary engineering work on domestic water supply and waste water disposal systems, waste management and other related activities. Incumbents advance to Range B, when qualified, and perform sanitary engineering assignments of average difficulty.

**Positions exist statewide.**

**REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION:** It is your responsibility to make sure you meet the education and/or experience requirements stated below. Your signature on your application indicates that you have read, understood, and possess the basic qualifications required.

**NOTE:** Applications/resumes **MUST** contain the following information: "to" and "from" dates (month/day/year), time base, civil service class title(s), and range (if applicable). College course information **MUST** include: title, semester or quarter units, name of institution, completion dates, and degree (if applicable). **Applications/resumes received without this information will be rejected.**

**MINIMUM QUALIFICATIONS: Education:** Equivalent to graduation from a curriculum accredited by the Accreditation Board for Engineering and Technology with major work in sanitary, environmental, chemical, civil, technical, or a related engineering field. Possession of equivalent qualifications may be demonstrated by graduation from an environmental, sanitary, chemical or civil engineering curriculum, which includes the basic engineering courses normally required in a standard four-year engineering curriculum, and by qualifying in a written examination covering sanitary engineering. (Registration as a Senior in such a curriculum will admit the applicant to the examination, but the applicant must produce evidence of graduation before he/she will be considered eligible for appointment.) (Possession of a valid certificate as an engineer-in-training as issued by the California State Board of Registration for Professional Engineers may be substituted for the required education.)

**EXAMINATION INFORMATION:** A candidate may be tested only once during any testing period. The testing period for this examination is January 1 through December 31.

This examination will consist of a written examination which is a pass/fail and a QAP weighted 100%. In order to obtain a position on the eligible list, a minimum rating of 70 percent must be attained.

**SCOPE:** In addition to evaluating the candidates relative abilities as demonstrated by quality and breath of experience, emphasis will be placed on measuring competitively, relative to job demands, each competitor's:

**KNOWLEDGE OF:**

1. Sanitary engineering principles and practices, water supply, sewage, refuse, and industrial waste disposal systems, purification processes, and swimming pool construction and sanitation.
2. Problems of the disposal of industrial wastes.
3. Principles and practices of environmental sanitation.
4. Public health principles, practices, and administrative procedures.
5. Sanitary engineering design and construction.

**ABILITY TO:**

1. Prepare, review, check, and interpret sanitary engineering plans, estimates, and specifications.
2. Interpret laws, rules, and regulations pertaining to public health engineering and water pollution control in California.
3. Establish and maintain cooperative relations with those contacted in the course of work.
4. Communicate effectively.
5. Analyze situations accurately and adopt an effective course of action.

**ELIGIBLE LIST INFORMATION:** Names of successful competitors are merged into the list in order of final scores regardless of date. Eligibility expires 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

**VETERANS PREFERENCE:** Veterans Preference Credit will be added to the final score of all competitors who are successful in this examination and who qualify for, and have requested these points through the State Personnel Board. Due to changes in the law, which were effective January 1, 1996, **VETERANS WHO HAVE ACHIEVED PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS CREDITS.**

**GENERAL INFORMATION:**

**Applications:** are available at the State Personnel Board office, through the Internet at <http://www.spb.ca.gov>, at local offices of the Employment Development Department, and the Department noted on this announcement.

**If you meet the requirements:** stated on this announcement, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.

**The Department of Health Services:** reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service law and rules and all competitors will be notified.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order:

1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, and 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in from one to four years unless otherwise stated on this bulletin.

**General Qualifications:** Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required.

**Examination Locations:** When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, interviews are scheduled in Sacramento, San Francisco, and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

**Interview Scope:** If an interview is conducted, in addition to the scope described on this bulletin, the panel will consider education, experience, personal development, personal traits, and fitness. In appraising experience, more weight will be given to the breadth and recency of pertinent experience and evidence of the candidate's ability to accept and fulfill increasing responsibilities than to the length of his/her experience. Evaluation of a candidate's personal development will include consideration of candidate's recognition of own training needs, plans for self-development, and the progress made in efforts toward self-development.

**Veterans Preference:** California law allows granting of veterans preference points in open entrance examinations and open non-promotional examinations. Credit in open examinations is granted as follows: 10 points for veterans, widows and widowers of veterans, and spouses of 100% disabled veterans; and 15 points for disabled veterans. Credit in open non-promotional examinations is granted as follows: five (5) points for veterans, and 10 points for disabled veterans. Directions for applying for veterans preference points are on the Veteran Preference Application Form 1093 which is available from State Personnel Board Offices, written test proctors, and the Department of Veterans Affairs, P.O. Box 942895, Sacramento, CA 942895-0001.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device.

The California Relay (Telephone) Service for the Deaf or Hearing Impaired:

MCI From TDD: 1-800-735-2929 MCI From VOICE TELEPHONE: 1-800-735-2922

Sprint From TDD: 1-888-877-5378 Sprint From Voice Telephone: 1-888-877-5379